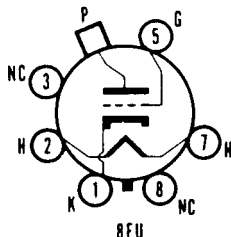


SYLVANIA TYPE 6BD4 6BD4A **HIGH VOLTAGE REGULATOR**



MECHANICAL DATA

Bulb.....	T-12
Base.....	Short Jumbo Shell Octal
Basing.....	8FU
Maximum Overall Length.....	5 1/8"
Maximum Seated Height.....	4 5/8"

ELECTRICAL DATA

HEATER CHARACTERISTICS

Heater Voltage (A C or D C).....	6.3 Volts
Heater Current.....	600 Ma
Maximum Peak Heater-Cathode Voltage.....	180 Volts

DIRECT INTERELECTRODE CAPACITANCES

Grid to Plate.....	1.0 $\mu\mu\text{f}$
Input.....	3.8 $\mu\mu\text{f}$
Output.....	0.04 $\mu\mu\text{f}$ Max

MAXIMUM RATINGS (Design Center Values)

	6BD4	6BD4A
D C Plate Voltage.....	20000	27000 Volts
Unregulated D C Supply Voltage.....	40000	55000 Volts
Grid Voltage		
D C Value.....	-125	-125 Volts
Peak Value.....	-550	-550 Volts
D C Plate Current.....	1.5	1.5 Ma
Plate Dissipation.....	20	25 Watts
Grid Circuit Resistance		
With Unregulated Supply with Equivalent Resistance of More Than 8 Megohms....	3.0	4.0 Megohms
With Unregulated Supply with Equivalent Resistance of Less Than 8 Megohms....	See Curve A	See Curve B

CHARACTERISTIC

Amplification Factor.....	1650
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WARNING

The high voltage at which the 6BD4 is operated may be extremely dangerous to the user. Great care should be taken during the adjustment of circuits.

Operation of the 6BD4 at plate voltages above 16,000 volts (absolute value) results in the production of X-rays which can constitute a health hazard unless adequately shielded.

APPLICATION

The Types 6BD4 and 6BD4A are beam triode, high-voltage, low current regulators, which may be used to supply regulated voltages for color television picture tubes. The principal difference between Types 6BD4 and 6BD4A is the maximum value of regulated voltage that may be obtained.

6BD4, 6BD4A (Cont'd)

GRID CIRCUIT RESISTANCE

